

Converting Colors

XYZ(29.9618, 21.0483, 29.1578)

Have a look what the booklet for
XYZ(29.9618, 21.0483, 29.1578)
contains.

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Color

**XYZ(30.0327, 21.1014,
29.2781)**

Conversions

Conversions Part 1

Format	Color
Hex	BC6091
RGB	188, 96, 145
RGB Percent	74%, 38%, 57%
CMY	0.2627, 0.6235, 0.4314
CMYK	0.00, 0.49, 0.23, 0.26
HSL	328°, 41%, 56%
HSV	328°, 49%, 74%
XYZ	30.0327, 21.1014, 29.2781
YIQ	129.0940, 39.1030, 34.7430

Conversions

Conversions Part 2

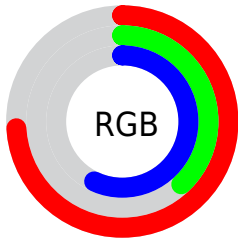
Format	Color
R_{YB}	188, 96, 145
Decimal	12345489
CIE _{Lab}	53.06, 42.88, -10.02
CIE _{LCh}	53, 44.038, 346.848
Yxy	21.1014, 0.3735, 0.2624
Android (android.graphics.Color)	4290535569 (0xFFBC6091)
YUV	129.0940, 7.8417, 51.6606
Hunter-Lab	45.9363, 36.3132, -5.6339

Details

The XYZ color **30.0327, 21.1014, 29.2781** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.4683, 40.3179, 30.7624**, and the grayscale version is **20.8636, 21.9501, 23.9037**.

A 20% lighter version of the original color is **59.0623, 45.2112, 59.6466**, and **12.4820, 7.5331, 11.6226** is the 20% darker color. If you saturate the color by 10%, you get **27.8665, 17.8115, 25.3413**, and if you desaturate by 10%, it is **32.6627, 25.2345, 33.6285**.

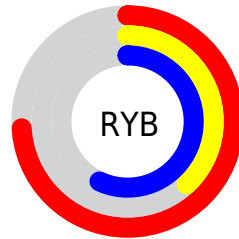
Distribution



Red (74%)

Green (38%)

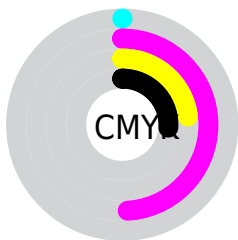
Blue (57%)



Red (74%)

Yellow (38%)

Blue (57%)

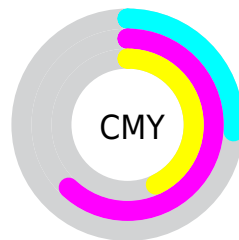


Cyan (0%)

Magenta (49%)

Yellow (23%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0327, 21.1014, 29.2781 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.0327, 21.1014, 29.2781 by changing the saturation by 10% instead.


 30.0327, 21.1014,
29.2781

 30.0327, 21.1014,
29.2781


293.9639,
257.8169, 312.6268

 20.0116, 13.1981,
19.0439


 59.1002, 45.2562,
59.5661

 12.5118, 7.5651,
11.5249


 78.8772, 62.2766,
80.4570

 7.1679, 3.8180,
6.3025


 102.6370, 83.1048,
105.7372

 3.6146, 1.5723,
2.9581

 130.7449,
108.1252, 135.8252

 1.4865, 0.3388,
1.0733

163.5661,
137.7222, 171.1397

 0.3166, 0.0000,
0.0000

201.4661,

 0.0000, 0.0000,

172.2802, 212.0990

0.0000

244.8103,
212.1837, 259.1219

■ 30.0327, 21.1014,
29.2781

■ 30.0327, 21.1014,
29.2781

■ 27.8665, 17.8115,
25.3413

■ 32.6627, 25.2345,
33.6285

■ 26.1313, 15.3020,
21.8008

■ 35.7826, 30.2618,
38.4063

■ 24.7927, 13.5057,
18.6392


■ 39.4185, 36.2338,
43.6258

■ 23.8101, 12.3431,
15.8369


■ 43.5943, 43.1962,
49.3002


■ 23.1130, 11.6758,
13.3637

■ 48.3322, 51.1920,
55.4422

 23.0455, 11.6140,
13.1158

 53.6532, 60.2614,
62.0636

 59.5770, 70.4425,
69.1760

 66.1226, 81.7715,
76.7905

 69.9655, 87.5979,
83.8034

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.2762, 21.1014, 45.1933



30.0327, 21.1014, 29.2781



29.8386, 21.1014, 16.3509

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.0327, 21.1014, 29.2781



17.5854, 21.1014, 6.1948



14.5635, 21.1014, 47.0432

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.0327, 21.1014, 29.2781



27.4683, 40.3179, 30.7624

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.6863, 21.1014, 31.1848



30.0327, 21.1014, 29.2781



14.2380, 21.1014, 9.5789

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.0327, 21.1014, 29.2781



22.1505, 21.1014, 6.0188



12.5771, 21.1014, 17.6498



18.0983, 21.1014, 57.8134

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0327, 21.1014, 29.2781



28.0559, 21.1014, 10.8281



12.5771, 21.1014, 17.6498



13.7432, 21.1014, 41.9051

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.0333, 21.1024, 29.2785



74.1150, 70.1086, 82.7606



23.8973, 17.4810, 49.6918



15.6057, 14.5241, 17.3399



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0333, 21.1024, 29.2785



50.1438, 31.7475, 45.2320



27.1780, 19.9603, 14.2426



9.7368, 9.6190, 11.0029



15.7284, 7.9225, 9.1292



0.6489, 0.3234, 0.5302

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.0333, 21.1024, 29.2785



50.1438, 31.7475, 45.2320



31.5577, 41.9536, 52.2969



9.7368, 9.6190, 11.0029



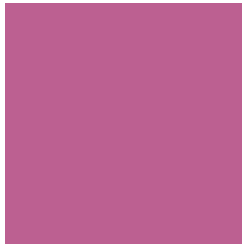
15.7284, 7.9225, 9.1292



0.6489, 0.3234, 0.5302

Previews

White Background



This preview shows how the XYZ color 30.0327, 21.1014, 29.2781 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 30.0327, 21.1014, 29.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

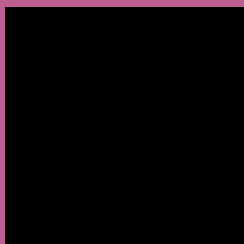
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0327, 21.1014, 29.2781

Background



This preview shows how black text looks on a background with the XYZ color 30.0327, 21.1014, 29.2781.



This preview shows how white text looks on a background with the XYZ color 30.0327, 21.1014,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.0327, 21.1014, 29.2781

Protanopia

21.5885, 21.4202, 38.5940

Deuteranopia

21.6141, 21.2953, 27.7822



Tritanopia

27.6723, 21.1406, 17.3739

Trichromacy



Original Color

30.0327, 21.1014, 29.2781

Protanomaly

23.6300, 20.5697, 35.0727

Deuteranomaly

24.0367, 20.7599, 28.3314

Tritanomaly

28.3820, 20.9835, 21.2932

Monochromacy



Original Color

30.0327, 21.1014, 29.2781

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.3121, 20.9559, 25.7379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0327, 21.1014, 29.2781 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(188, 96, 145)` looks like.

```
.text, #text, p{  
    color:rgb(188, 96, 145)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(188, 96, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 96, 145) }
```

Border

The CSS property to change the border of an element to XYZ 30.0327, 21.1014, 29.2781 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 96, 145) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(188, 96, 145) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(188, 96, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 96, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 96, 145);  
box-shadow:4px 4px 4px 4px rgb(188, 96,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0327, 21.1014, 29.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 96, 145) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(188, 96,  
145) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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